

**Wildlife TRACS Project Action Levels with Indicators 8/20/14**

Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
Project Catagories	Category	Strategy	Activity	Units	
Administration and/or Conservation / Management and/or Recreation	Coordination and Administration	Coordination and Administration		Number	Coordination and administration necessary for effective agency operations and program/project management
			Agency administrative support	Number	Administration necessary for effective agency operations (e.g., acquisition of goods and services, human resources tasks)
			Program/project administrative support	Number	Administration necessary for effective program/project management (e.g., staff support and training, monitoring progress of grant proposal and reporting processes)
		Incentives	Incentives	Number	Development and delivery of economic incentives to private landowners to influence responsible stewardship of land/water and specific species
	Direct Management of Natural Resources				
		Create new habitat or natural processes		Acres	Creation of new habitat or natural processes for the benefit of fish and wildlife and recreational users
			Habitat conversion	Acres	Conversion of one type of habitat into another (e.g., creating bottomland forest from agricultural land, wetland creation) Note: Forest and wetland would be the appropriate broad habitat types to code for these two examples
			Public fishing lake construction	Acres	Construction of new public fishing lakes
			Waterfowl impoundment creation	Acres	Creation of shallow water impoundments for the primary benefit of waterfowl
		Dam and barrier removal		Structures	Removal of barriers to maintain aquatic species populations and restore ecological functions in streams (e.g., dam or dike removal, notching of dams)
			Culvert work	Structures	Replacement or repair of road culverts (e.g., installing larger culvert, eliminating perching)
			Dam notching	Structures	Removal of portions of dams for increased flow

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			Dam removal	Structures	Removal of entire dams
			Road crossing removal	Structures	Removal of in-stream road crossings
			Obstruction removal	Structures	Removal of other obstructions (e.g., beaver dams)
		Fire management		Acres	Use of fire to benefit fish and wildlife and their habitats
			Firebreak	Acres	Creation or maintenance of a strip of cleared or plowed land used to stop the spread of a fire
			Fuel reduction	Acres	Application of treatments to reduce the risk of high-severity wildfires and to manage changes in the ecological functions of forests (e.g., mechanical thinning)
			Prescribed burning	Acres	Application of fire in a knowledgeable manner to forest fuels on a specific land under selected weather conditions to accomplish predetermined, well-defined management objectives (e.g., burning an established native grass community to reduce or eliminate invading brush or exotic species)
		Fish and wildlife habitat structures		Structures	Installation of structures to benefit fish and wildlife and their habitats
			Artificial reef development	Structures	Development of artificial reefs in freshwater or marine environments for aquatic species spawning, foraging and refugia
			Hibernacula	Structures	Creation or improvement of overwintering sites
			Nesting habitat improvements	Structures	Installation of nesting structures (e.g., wood duck boxes, osprey platforms)
			Wildlife escape structures	Structures	Installation of structures that allow wildlife to escape from man-made devices placed in the environment (e.g., ramps that allow sage grouse to escape from livestock watering troughs)
				Acres	Improvements to agricultural practices to benefit fish and wildlife and their habitats
			Alley cropping/silvopasture	Acres	Methods of planting in which perennial, preferably leguminous trees or shrubs, are grown simultaneously with an arable crop

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		Grazing/farm management	Farming residue management	Acres	Use of vegetative crop material left on a field after harvesting, pruning or processing to benefit wildlife and soil quality
			Forage use management	Acres	Management of timing and duration of grazing to maintain adequate cover for range health and nesting success (e.g., establishment of rotational grazing system to improve grassland nesting bird habitat)
			Livestock heavy use area establishment	Acres	Provision of stable, non-eroding surfaces for areas intensively used by livestock to protect and improve water quality
			Livestock stream crossing	Acres	Installation of structures that allow livestock to cross a stream in a safe and environmentally sound manner (e.g., fords, culverts, bridges)
			Nutrient or runoff management system	Acres	Application of techniques to minimize nutrient runoff from agricultural operations
			Riparian fence installation	Acres	Installation of fences along riparian areas to keep out livestock
			Waste storage/treatment	Acres	Management of on-farm generated wastes in an environmentally responsible manner (e.g., liquid retention and storage ponds, anerobic waste treatment lagoons)
		Hazard or infrastructure removal		Acres	Removal of hazards or infrastructure to benefit fish and wildlife and their habitats
			Building removal	Acres	Removal of buildings to improve habitat for wildlife
			Degraded land reconstruction	Acres	Reconstruction of degraded land to benefit wildlife (e.g., abandoned mine area recovery, deleveling)
			Derelict gear (net/pot) removal	Acres	Removal of derelict fishing gear from waters to prevent continued capture of aquatic species (e.g., fishing nets, fish/crab pots)
			Pavement removal	Acres	Removal of pavement to improve habitat for wildlife (e.g., roads, airplane runways)
			Pier/dock removal	Acres	Removal of piers or docks to improve aquatic habitats

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			Shoreline armoring removal	Acres	Removal of shoreline armoring to improve aquatic habitats (e.g., jetties, riprap)
			Solid waste removal	Acres	Removal of solid waste to improve habitat for wildlife (e.g., derelict vehicles, rubbish)
		Instream modification		Miles	Stream improvements to benefit fish and wildlife and their habitats
			Channel reconfiguration	Miles	Restoration of natural stream channel (e.g., returning meanders and sustainable profiles to straightened streams, sandbar improvement)
			Channel structure placement	Miles	Placement of structures within streams to restore natural characteristics (e.g., cross vanes, boulders)
			Nutrient improvement	Miles	Application of nutrients to improve water quality of fish and wildlife (e.g., liming of streams, carcass placement)
			Spawning by-pass channels	Miles	Construction of side channel fish spawning and rearing habitat
			Spawning gravel placement	Miles	Addition of gravel to streams to improve spawning areas
			Streambank stabilization	Miles	Stabilization of streambanks (e.g., bank armoring, bank bioengineering)
		Invasive species control		Acres	Control of invasive animal and plant species to maintain native species populations and restore ecological functions
			Animal - biological	Acres	Control of invasive animal species by biological means (e.g., introducing predators to control invasive animal species)
			Animal - chemical	Acres	Control of invasive animal species by chemical means (e.g., piscicide treatment of sea lamprey in inland waters)
			Animal - mechanical	Acres	Control of invasive animal species by mechanical means (e.g., constructing a barrier in a stream to prevent entry of invasive fish species)
			Plant - biological	Acres	Control of invasive plant species by biological means (e.g., using beetles to control purple loosestrife)

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			Plant - chemical	Acres	Control of invasive plant species by chemical means (e.g., herbicide treatment of invasive plant species)
			Plant- mechanical	Acres	Control of invasive plant species by mechanical means (e.g., hand pulling of invasive plant species)
		Living shorelines		Acres	Physical manipulation in shoreline areas to maintain fish and wildlife habitats and/or restore ecological functions
			Beach renourishment	Acres	Placement of sand onto beaches and employing other techniques for their renourishment
			Erosion control structures	Acres	Installation of hard structures (e.g., seawall bulkhead) or living structures (e.g., greenwall systems) to control erosion
			Sand dune restoration	Acres	Application of techniques to restore sand dunes (e.g., fencing off sea-grass areas)
		Planting/seeding		Acres	Planting or seeding to maintain fish and wildlife habitats and/or restore ecological functions
			Coral	Acres	Application of techniques to reestablish coral reefs
			Field border/hedgerow	Acres	Maintenance or establishment of edge between two vegetation types
			Food plots	Acres	Planting crops specifically as food for wildlife
			Herbaceous vegetation	Acres	Planting/seeding of grasslands
			Mulching	Acres	Application of organic materials to enrichment and protect soil
			Plant propagation/nursery	Acres	Use of nurseries to raise plants for habitat improvement
			Submerged aquatic vegetation	Acres	Restoration of vegetation that lives at or below the water surface
			Trees/shrubs	Acres	Planting trees or shrubs
			Vegetation buffer	Acres	Maintenance or establishment of strips of land with permanent vegetation to intercept stormwater runoff and minimize soil erosion
			Woody debris	Acres	Placement of limbs, bush, trees and stumps to improve habitat
				Acres	Physical manipulation of vegetation to maintain fish and wildlife habitats and/or restore ecological functions

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		Vegetation management	Chaining	Acres	Dragging heavy chains to remove unwanted vegetation
			Clearing and snagging	Acres	Use of varied techniques to clear vegetation (e.g., brush shearing to set back early successional plant communities)
			Dixie harrow/Lawson aerator	Acres	Removal of vegetation and treating soil by pulling devices behind a tractor (e.g., removing sagebrush for improved herbaceous cover for sage grouse)
			Forest stand improvement	Acres	Removal of trees to improve forest habitat for wildlife (e.g., forest management that promotes a particular serial stage)
			Mowing	Acres	Cutting down grass or grain to maintain habitat for wildlife
			Plowing/Discing	Acres	Plowing or other mechanical means of disturbing existing vegetation and exposing soil
		Water management		Number	Management of water to benefit fish and wildlife and their habitats
			Ditch plugs	Number	Installation of earthen plugs into drainage ditches to restore wetlands
			Diversion/headgate	Number	Installation or maintenance of structures to divert water
			Drainage	Number	Removal of tile drains or drainage ditches to restore wetland hydrology
			Public fishing lake enhancement	Number	Enhancements made to public fishing lakes (e.g., installation of aerators)
			Spring development	Number	Application of techniques to improve the flow, quantity and yield of water from a natural spring
			Tide gate	Number	Installation or maintenance of structures to increase the hydro-period and water depth of a wetland
			Waterfowl impoundment maintenance	Number	Maintenance of impoundments for waterfowl habitat (e.g., renovation of impoundment dikes)
			Water control structure	Number	Installation or maintenance of structures to simulate natural hydrological processes
			Watering facilities	Number	Installation or maintenance of structures to collect and store water for the benefit of wildlife (e.g., water holes, guzzlers, wells)

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		Wildlife damage management		Interventions	Assessment and management of damage from nuisance native fish and wildlife. Includes control of predators by biological, chemical or mechanical means to maintain populations of species at risk and restore ecological functions (e.g., gull or cormorant control, nest exclusion devices, cave gating) Note: Limited eligibility for funding through WSFR grant programs
		Wildlife disease management		Interventions	Assessment and management of wildlife disease situations. Includes control or treatment of diseased animals to maintain populations of species at risk and restore ecological functions (e.g., chronic wasting disease, brucellosis, tuberculosis, plague management activities)
	Data Collection and Analysis				
		Database development and management		Databases	Information technology development and maintenance to support project objectives (e.g., statewide database development) Note: This is different from other Data Collection and Analysis activities in that it refers to the hardware, software, and supporting infrastructure that support multiple data collection efforts
			Database development	Databases	Information technology development to support project objectives (e.g., statewide database development) Note: This is different from other Data Collection and Analysis activities in that it refers to the hardware, software, and supporting infrastructure that support multiple data collection efforts
			Information systems operations and maintenance	Databases	Information technology maintenance to support project objectives (e.g., GIS analyses) Note: This is different from other Data Collection and Analysis activities in that it refers to the hardware, software, and supporting infrastructure that support multiple data collection efforts

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Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
		Research, survey or monitoring - fish and wildlife populations		Projects	Collection and analysis of data as part of research, survey or monitoring primarily focused on fish and wildlife populations Note: includes compilation, management, synthesis, analysis and reporting of spatial and non-spatial data Note: Code work on fish and wildlife diseases to Wildlife Disease Management within Direct Management of Natural Resources
			Abundance determination	Projects	Determination of relative abundance or estimation of size of fish and wildlife populations (e.g., adult population estimate, juvenile relative abundance)
			Age, size and sex structure	Projects	Determination of age, size or sex structure of fish and wildlife populations (e.g., age and growth, length frequency, sex ratio)
			Baseline inventory	Projects	Baseline survey and inventory to understand distribution of fish and wildlife populations
			Food habits	Projects	Studies on food habits of fish and wildlife species or their utilization as prey
			Genetics	Projects	Genetics studies of fish and wildlife populations (e.g., population connectivity, hybridization)
			Movement	Projects	Studies of fish and wildlife movements (e.g., tagging, telemetry)
			Population assessment	Projects	Assessments of biological information to determine status of fish and wildlife populations (e.g., population viability analysis, fisheries stock assessment)
			Reproduction	Projects	Studies of reproduction of fish and wildlife populations (e.g., fecundity, nesting success)

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		Research, survey or monitoring - habitat		Projects	Collection and analysis of data as part of research, survey or monitoring primarily focused on fish and wildlife habitats Note: includes compilation, management, synthesis, analysis and reporting of spatial and non-spatial data
			Baseline inventory	Projects	Baseline survey and inventory to understand distribution of fish and wildlife habitat quality and quantity (e.g., wetland mapping)
			Monitoring	Projects	On-going monitoring of fish and wildlife habitat quality and quantity (e.g., annual early successional habitat survey, artificial reef condition)
		Research, survey or monitoring - utilization		Projects	Collection and analysis of data as part of research, survey or monitoring primarily focused on utilization of fish or wildlife resources and demographics of users Note: includes compilation, management, synthesis, analysis and reporting of data
			Facility usage/inventory	Projects	Collection and analysis of data as part of research, survey or monitoring primarily focused on number and usage of facilities (e.g., survey of boat pumpout usage; inventory of fish screen devices)
			Harvest	Projects	Collection and analysis of data as part of research, survey or monitoring primarily focused on utilization of fish or wildlife resources (e.g., lake creel surveys; deer harvest statistics)
			Human dimensions	Projects	Collection and analysis of data as part of research, survey or monitoring primarily focused on human dimensions (e.g., demographic surveys; resource economics analyses)

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		Techniques development		Studies	Research and development of techniques important for the conservation and management of fish and wildlife
			Artificial propagation studies	Studies	Research on artificial propagation of fish and wildlife (e.g., nutrition studies, culture methods)
			Educational methods research	Studies	Research on educational instruction and evaluation methods
			Habitat restoration methods	Studies	Development or improvement of methods to restore habitats and natural processes (e.g., evaluations of water level fluctuations)
			Fish and wildlife research, survey and management techniques	Studies	Development or improvement of research techniques or management tools (e.g., tag retention studies, sampling device improvements, testing of animal control devices)
	Education				
		Educator/Instructor training		Instructors	Training of educators/instructors on aquatic resources, firearm safety, and archery-related activities
			Aquatic resource education (*)	Instructors	Training of new instructors and teachers in aquatic resource education who will teach others Note: This includes angler education volunteer instructors, teachers, nature center staff and camp counselors who attend ARE workshops, teachers who help the agency write curriculum, etc.
			Hunter education - firearms (*)	Instructors	Training of new and in-service volunteer instructors in hunter education who will teach others Note: Could be funded through Wildlife Restoration basic or Section 10 enhanced hunter education
			Cumulative number of active instructors (*)	Instructors	Number of active hunter education volunteer instructors including those just trained within a given year Note: Could be funded through Wildlife Restoration basic or Section 10 enhanced hunter education

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		Student training		Students	Training of students on aquatic resource education, firearm safety, or archery-related activities Note: Could include Section 10 enhanced hunter education non-range related enhancements to the program (e.g., training supplies acquired, operations and maintenance, etc.)
			Aquatic resource education (*)	Students	Instruction of students on aquatic resources in an educational setting (contact hour of 0.5 or more) Note: This does not include people who have no personal educational interaction - reading an article, borrowing a video, walking by an exhibit booth, etc.; or people that the agency trained to help deliver the program
			Hunter education - firearms (*)	Students	Instruction of students on firearm safety in an educational setting leading to hunter education certification Note: Could be funded through Wildlife Restoration basic or Section 10 enhanced hunter education Note: Could include participation in programs intended to recruit and retain hunters that are only eligible through Section 10 enhanced hunter education
			Hunter education - Archery in the Schools (*)	Students	Instruction of students on archery-related activities specifically through the Archery in the Schools program Note: Can only be funded with Section 10 enhanced hunter education Note: Usage started with TRACS launch at start of FY 2013.
			Hunter education - other archery (*)	Students	Instruction of students on archery hunting-related activities not through the Archery in the Schools program Note: Could be funded through Wildlife Restoration basic or Section 10 enhanced hunter education Note: Pre-TRACS data could have included Archery in the Schools information.

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			Wildlife education	Students	Instruction of students on wildlife species and their habitats in an educational setting Note: This activity has a limited eligibility for reimbursement through WSFR grant programs
	Facilities and Areas (Major Renovation)	Agency support facilities		Sites	Major renovation of facilities used by agency personnel in support of programs/projects (e.g., office buildings, garages, equipment sheds)
		Aquatic resource education centers		Sites	Major renovation of facilities for aquatic resource education
		Boating access facilities		Number	Major renovation of facilities providing access for anglers and others using motor boats
			Launch ramps (*)	Number	Boat ramp lanes at boat launch sites
			Docks/piers (*)	Number	Docks/piers at boat launch sites
			Parking areas (*)	Number	Parking areas at boat launch sites
			Parking spaces (*)	Number	Parking spaces at boat launch sites
			Access roadways (*)	Number	Roadways to access launch ramps
			Restrooms (*)	Number	Restrooms at boat launch sites
			Fish cleaning stations (*)	Number	Fish cleaning stations at boat launch sites
			Shelters (*)	Number	Shelters at boat launch sites
		Boat pump out and dump stations		Number	Major renovation of facilities for pumping sewage from boats Note: Typically funded through the Clean Vessel Act program
			Pump out stations (*)	Number	Pump out stations
			Dump stations (*)	Number	Dump stations
			Floating restrooms (*)	Number	Floating restrooms
			Pump out boats (*)	Number	Pump out boats
		Fish passage facilities		Number	Major renovation of facilities designed to allow fish to move past instream barriers (e.g., fish ladders; counting stations) Note: Not related to removal of dams and other barriers coded elsewhere
			Counting traps/stations	Number	Counting traps/stations
			Downstream bypass facilities	Number	Facilities designed specifically for downstream movement of fish

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			Fish ladders	Number	Fish ladders
			Fish lifts	Number	Fish lifts
			Nature-like fishways	Number	Fishways whose designs are based on simulating natural stream characteristics and are constructed of natural materials
		Fish screening and related facilities		Sites	Major renovation of screening systems that prevent fish from passing into areas that do not support their survival (e.g., into irrigation diversion channels). Note: Primarily funded by FRIMA grant program in Region 1
		Hatcheries (recreational purposes)		Sites	Major renovation of facilities to propagate fish or wildlife species for restoration
		Hatcheries (restoration)		Sites	Major renovation of facilities to propagate fish or wildlife species for recreational purposes
		Hunter education - archery ranges		Sites	Major renovation of archery ranges for hunter education purposes
		Hunter education - classrooms		Sites	Major renovation of classrooms for hunter education purposes Note: Could be funded through Wildlife Restoration basic or enhanced hunter education
		Hunter education - firearm shooting ranges		Sites	Major renovation of firearm shooting ranges for hunter education purposes Note: Could be funded through Wildlife Restoration basic or enhanced hunter education
		Public fishing areas/access		Number	Major renovation of non-boating access public fishing areas Note: Activities primarily for restoration and management of species and habitats should be coded to Create, Restore or Enhance Habitat and Natural Processes
			Carry-down access	Number	Access points for carry-down boats
			Fishing piers	Number	Fishing piers
			Parking areas	Number	Parking areas for fishing
			Jetties	Number	Jetties for fishing
			Access roadways	Number	Roadways to access fishing areas
			Restrooms	Number	Restrooms at fishing areas
			Fish cleaning stations	Number	Fish cleaning stations at fishing areas
			Shelters	Number	Shelters at fishing areas

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		Transient boat tie up - primary facilities		Number	Major renovation of primary facilities for tie-up of transient boats Note: Typically funded through Boating Infrastructure Grant program
			Docks/slips (*)	Number	Spaces for tie-up to docks
			Moorings (*)	Number	Moorings
			Gangways (*)	Number	Gangways
		Transient boat tie up - secondary facilities		Number	Major renovation of secondary facilities for tie-up of transient boats Note: Typically funded through Boating Infrastructure Grant program
			Restrooms (*)	Number	Restrooms
			Fuel stations (*)	Number	Fuel stations
			Laundry facilities (*)	Number	Laundry facilities
		Wildlife Management Areas		Number	Major renovation of facilities at Wildlife Management Areas
			Campgrounds	Number	Campgrounds
			Dikes/levees	Number	Dikes/levees
			Observation structures	Number	Wildlife blinds, towers, platforms, etc.
			Parking lots	Number	Parking lots
			Roads	Number	Roads
	Facilities and Areas (New Construction)	Agency support facilities		Sites	Construction of new facilities used by agency personnel in support of programs/projects (e.g., office buildings, garages, equipment sheds)
		Aquatic resource education centers		Sites	Construction of new facilities for aquatic resource education
		Boat pump out and dump stations		Number	Construction of new facilities for pumping sewage from boats Note: Typically funded through the Clean Vessel Act program
			Dump stations (*)	Number	Dump stations
			Floating restrooms (*)	Number	Floating restrooms
			Pump out boats (*)	Number	Pump out boats
			Pump out stations (*)	Number	Pump out stations

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		Boating access facilities	Access roadways (*)	Number	Roadways to access fishing areas
			Docks/piers (*)	Number	Docks/piers at boat launch sites
			Fish cleaning stations (*)	Number	Fish cleaning stations at boat launch sites
			Launch ramps (*)	Number	Boat ramp lanes at boat launch sites
			Parking areas (*)	Number	Parking areas at boat launch sites
			Parking spaces (*)	Number	Parking spaces at boat launch sites
			Restrooms (*)	Number	Restrooms at boat launch sites
			Shelters (*)	Number	Shelters at boat launch sites
		Fish passage facilities		Number	Construction of new facilities designed to allow fish to move past instream barriers (e.g., fish ladders; counting stations) Note: Not related to removal of dams and other barriers coded elsewhere
			Counting traps/stations	Number	Counting traps/stations
			Downstream bypass facilities	Number	Facilities designed specifically for downstream movement of fish
			Fish ladders	Number	Fish ladders
			Fish lifts	Number	Fish lifts
			Nature-like fishways	Number	Fishways whose designs are based on simulating natural
		Fish screening and related facilities		Sites	Construction of new screening systems that prevent fish from passing into areas that do not support their survival (e.g., into irrigation diversion channels). Note: Primarily funded by FRIMA grant program in Region 1
		Hatcheries (recreational purposes)		Sites	Construction of new facilities to propagate fish or wildlife species for restoration or recreational purposes
		Hunter education - archery ranges		Sites	Construction of new archery ranges for hunter education purposes
		Hunter education - classrooms		Sites	Construction of new classrooms for hunter education purposes Note: Could be funded through Wildlife Restoration basic or Section 10 enhanced hunter education Note: Pre-TRACS data could have included major renovation or operations and maintenance

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		Hunter education - firearm shooting ranges		Sites	Construction of new firearm shooting ranges for hunter education purposes Note: Could be funded through Wildlife Restoration basic or Section 10 enhanced hunter education Note: Pre-TRACS data could have included major renovation
		Public fishing areas/access		Number	Major renovation of non-boating access public fishing areas Note: Activities primarily for restoration and management of species and habitats should be coded to Create, Restore or Enhance Habitat and Natural Processes
			Access roadways	Number	Roadways to access fishing areas
			Carry-down access	Number	Access points for carry-down boats
			Fish cleaning stations	Number	Fish cleaning stations at fishing areas
			Fishing piers	Number	Fishing piers
			Jetties	Number	Jetties for fishing
			Parking areas	Number	Parking areas for fishing
			Restrooms	Number	Restrooms at fishing areas
			Shelters	Number	Shelters at fishing areas
		Transient boat tie up - primary facilities		Number	Major renovation of primary facilities for tie-up of transient boats Note: Typically funded through Boating Infrastructure Grant program
			Docks/slips (*)	Number	Spaces for tie-ups to docks
			Gangways (*)	Number	Gangways
			Moorings (*)	Number	Moorings
		Transient boat tie up - secondary facilities		Number	Major renovation of secondary facilities for tie-up of transient boats Note: Typically funded through Boating Infrastructure Grant program
			Fuel stations (*)	Number	Fuel Stations
			Laundry facilities (*)	Number	Laundry Facilities
			Restrooms (*)	Number	Restrooms

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		Wildlife Management Areas		Number	Major renovation of facilities at Wildlife Management Areas
			Campgrounds	Number	Campgrounds
			Dikes/levees	Number	Dikes/Levees
			Observation structures	Number	Wildlife blinds, towers, platforms, etc.
			Parking lots	Number	Parking Lots
			Roads	Number	Roads
	Facilities and Areas (Operations and Maintenance)	Agency support facilities		Sites	Routine operations and maintenance of facilities used by agency personnel in support of programs/projects (e.g., office buildings, garages, equipment sheds)
		Aquatic resource education centers		Sites	Routine operations and maintenance of facilities for aquatic resource education
		Boat pump out and dump stations		Number	Routine operations and maintenance of facilities for pumping sewage from boats Note: Typically funded through the Clean Vessel Act program
			Dump stations	Number	Dump Stations
			Floating restrooms	Number	Floating Restrooms
			Gallons of sewage pumped	Number	Gallons of sewage pumped. Note: Likely to be a required data element in the future when CVA regulations are revised
			Pump out boats	Number	Pump out boats
			Pump out stations	Number	Pump out stations
		Boating access facilities		Number	Routine operations and maintenance of facilities providing access for anglers and others using motor boats
			Access roadways (*)	Number	Roadways to access launch ramps
			Docks/piers (*)	Number	Docks/piers at boat launch sites
			Fish cleaning stations (*)	Number	Fish cleaning stations at boat launch sites
			Launch ramps (*)	Number	Boat ramp lanes at boat launch sites
			Parking areas (*)	Number	Parking areas at boat launch sites
			Parking spaces (*)	Number	Parking spaces at boat launch sites
			Restrooms (*)	Number	Restrooms at boat launch sites
			Shelters (*)	Number	Shelters at boat launch sites

NOTE: The asterisk (\*) denotes required activity level data

**Wildlife TRACS Project Action Levels with Indicators 8/20/14**

Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
		Cooperatively managed areas for hunting		Acres	Lands not owned by the State fish and wildlife agency that are cooperatively managed for hunting purposes (e.g., US Forest Service lands, State parks, private lands)
			Government agency	Acres	Operations and maintenance activities on lands owned by other government agencies
			Private lands	Acres	Operations and maintenance activities on privately owned lands
		Fish passage facilities		Number	Routine operations and maintenance of facilities designed to allow fish to move past instream barriers (e.g., fish ladders; counting stations) Note: Not related to removal of dams and other barriers coded elsewhere
			Counting traps/stations	Number	Counting traps/stations
			Downstream bypass facilities	Number	Facilities designed specifically for downstream movement of fish
			Fish ladders	Number	Fish ladders
			Fish lifts	Number	Fish lifts
			Nature-like fishways	Number	Fishways whose designs are based on simulating natural stream characteristics and are constructed of natural materials
		Fish screening and related facilities		Sites	Routine operations and maintenance of screening systems that prevent fish from passing into areas that do not support their survival (e.g., into irrigation diversion channels). Note: Primarily funded by FRIMA grant program in Region 1
		Hatcheries (recreational purposes)		Sites	Routine operations and maintenance of facilities to propagate fish or wildlife species for recreational purposes
		Hatcheries (restoration)		Sites	Routine operations and maintenance of facilities to propagate fish or wildlife species for restoration purposes
		Hunter education - archery ranges		Sites	Routine operations and maintenance of archery ranges for hunter education purposes

NOTE: The asterisk (\*) denotes required activity level data

**Wildlife TRACS Project Action Levels with Indicators 8/20/14**

Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
		Hunter education - classrooms		Sites	Routine operations and maintenance of classrooms for hunter education purposes Note: Could be funded through Wildlife Restoration basic or Section 10 enhanced hunter education
		Hunter education - firearm shooting ranges		Sites	Routine operations and maintenance of firearm shooting ranges for hunter education purposes Note: Could be funded through Wildlife Restoration basic or Section 10 enhanced hunter education
		Public fishing areas/access		Number	Routine operations and maintenance of non-boating access public fishing areas Note: Activities primarily for restoration and management of species and habitats should be coded to Create, Restore or Enhance Habitat and Natural Processes
			Access roadways	Number	Roadways to access fishing areas
			Carry-down access	Number	Access points for carry-down boats
			Fish cleaning stations	Number	Fish cleaning stations at fishing areas
			Fishing piers	Number	Fishing piers
			Jetties	Number	Jetties for fishing
			Parking areas	Number	Parking areas for fishing
			Restrooms	Number	Restrooms at fishing areas
			Shelters	Number	Shelters at fishing areas
		Wildlife Management Areas		Number	Routine operations and maintenance of Wildlife Management Areas Note: Activities primarily for restoration and management of species and habitats should be coded to Create, Restore or Enhance Habitat and Natural Processes
			Boundary designation	Number	
			Campgrounds	Number	Campgrounds
			Dikes/levees	Number	Dikes/Levees
			Observation structures	Number	Wildlife blinds, towers, platforms, etc.
			Parking lots	Number	Parking Lots
			Trails	Number	

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**Wildlife TRACS Project Action Levels with Indicators 8/20/14**

Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
			Trash Collection	Number	
			Roads	Number	Roads
	Land and Water Rights Acquisition and Protection (Potential High Level Purposes: Conservation/ Management, Recreation, Administration)			Acres	
		Land acquisition	Fee title	Acres	Acquisition of lands through fee title acquisition
			Non-fee title	Acres	Acquisition of lands through leases, permanent easements, cooperative agreements, contracts or other non-fee title arrangements
		Water rights acquisition	Fee title	Acres Feet	Purchase of water rights through fee title acquisition (e.g., purchase of water rights to maintain adequate flows for endangered stream fishes)
			Non-fee title	Acres Feet	Acquisition of water rights through leases, permanent easements, cooperative agreements, contracts or other non-fee title arrangements (e.g., purchase of water rights to maintain adequate flows for endangered stream fishes)
		Conservation area designation		Acres	Designation of a site or landscape as having unique and important value to fish and wildlife with or without legal protections (e.g., waterfowl breeding area, Marine Protected Area)
		Private lands agreements		Acres	Number of acres that are protected by agreement with private landowners, but which do not involve active habitat improvement Note: Used extensively within the Landowner Incentive Program
	Law Enforcement (Potential High Level Purposes: Conservation/ Management, Recreation)	Law enforcement		Cases	Enforcement of laws and regulations related to the protection of fish and wildlife

NOTE: The asterisk (\*) denotes required activity level data

**Wildlife TRACS Project Action Levels with Indicators 8/20/14**

Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
	Outreach				
		Partner/stakeholder engagement		Number	Engagement of partners to achieve shared objectives and broader coordination across overlapping areas
			Government agency	Number	Engagement of federal, state and local agencies and tribal entities to achieve shared objectives and broader coordination across overlapping areas (e.g., outreach with tribal governments for habitat restoration)
			Non-governmental organization	Number	Engagement of the NGO community to achieve shared objectives and broader coordination across overlapping areas (e.g., coordinate with an NGO on a fish and wildlife GIS analysis)
			Others	Number	Engagement of other partners to achieve shared objectives and broader coordination across overlapping areas (e.g., convene an advisory committee from academia to assist with management planning for a species)
		Recruitment and retention activities		Number	Participation in programs intended to recruit and retain anglers, boater, hunters or wildlife watchers
			For fishing and boating (SFR outreach and communications)	Number	Provision of information on fishing and boating opportunities to current and future anglers and boaters (e.g., creation and dissemination of maps of boat ramps, participation in angler recruitment and retention programs) Note: the cost of these activities counts toward the 15 percent SFR apportionment cap on ARE and outreach and communications
			For hunting and shooting	Number	Participation in programs intended to recruit and retain hunters and shooters. Note: Non-hunting related shooting activities are only eligible for Multi-State Grant Program or Section 10 enhanced hunter education funding
			For wildlife watching	Number	Participation in programs intended to recruit and retain wildlife watchers Note: this activity has limited eligibility for funding through WSFR grant programs

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**Wildlife TRACS Project Action Levels with Indicators 8/20/14**

Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
		WSFR program/ subprogram outreach		Number	Provision of educational information on WSFR grants and grant programs to a variety of audiences through a variety of means (e.g., participating in trade shows to share information WSFR funded work; building kiosks to display WSFR program information at supported areas and facilities)
			Displays, exhibits, kiosks	Number	Activities associated with producing displays, exhibits or kiosks
			Presentations, workshops, seminars, conferences	Number	How many presentations, workshops, seminars and conferences were conducted (not attended). Note: an outdoor writers conference, a speech to a hunting club, and media training for biologists count as a total of 3
			Outreach research	Number	Survey or research projects undertaken
			Brochures, Fliers	Number	The number of distinct brochures and flyers prepared, not the press run
			Public service announcements	Number	The number of original public service announcements prepared
			Stories, interviews, news releases	Number	The number of original stories produced, interviews given to the media and/or news releases prepared for the media
			Trade shows	Number	Participation in trade shows including setting up and maintaining booths
			Planning		
		Land use planning		Plans	Leading or participating in land use planning for rural, urban or agricultural lands (e.g., assist in developing county-wide zoning plans, participate in workgroup regarding low impact development siting)

NOTE: The asterisk (\*) denotes required activity level data

**Wildlife TRACS Project Action Levels with Indicators 8/20/14**

Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
		Organizational strategic and CMS planning		Plans	Development of agency strategic and operational plans and fish and wildlife comprehensive management systems Note: Does not include actions to implement plans
			Organizational strategic and operational planning	Plans	Development of agency strategic and operational plans Note: Does not include actions to implement plans
			CMS planning	Plans	Development of fish and wildlife comprehensive management systems Note: Does not include actions to implement comprehensive management systems
		Species and habitat management planning		Plans	Development of management plans for fish and wildlife species and habitats
			Species management planning	Plans	Development of management plans for fish and wildlife species (e.g., interjurisdictional fisheries management planning)
			Listed species recovery planning	Plans	Development of recovery plans for federal or state listed species
			Habitat management planning	Plans	Development of management plans for habitats and natural processes (e.g., management planning for longleaf pine habitat; Habitat Conservation Plan development)
			Habitat Conservation Plan (HCP) Development	Plans	
		State Wildlife Action planning		SWAPs	Conduct activities to develop and revise State Wildlife Action Plans (e.g., convene interagency work groups to revise portions of a SWAP, hold public hearings to help set priorities for SWAP conservation actions)
		WSFR program/ subprogram planning		Plans	Conduct planning activities for a specific WSFR program or subprogram (e.g., CVA planning, hunter education planning)

NOTE: The asterix (\*) denotes required activity level data

**Wildlife TRACS Project Action Levels with Indicators 8/20/14**

Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
	Species Re-introduction and Stocking				
		Native species restoration		Animals	Re-introduction, rehabilitation and relocation of native animals or plants in their historic habitats
			Propagation and stocking	Animals	Re-introduction of propagated native animals or plants to their historic habitats (e.g., restore American shad to rivers within their historic range, head-starting rare turtles)
			Rehabilitation	Animals	Rehabilitation of injured fish and wildlife
			Translocation	Animals	Relocation of native species (including plants) to suitable habitats (e.g., translocate/breed in captivity black-footed ferrets to establish new populations in suitable habitat)
		Production and stocking for recreational purposes		Animals	Production and stocking of animals for recreational purposes
			Forage species	Animals	Production and stocking species that serve as forage for recreational species (e.g., rainbow smelt for salmonid species)
			Put-and-take	Animals	Production and stocking harvestable-size animals that are not expected to reproduce or grow significantly before they are harvested (e.g., catchable trout stocking for recreational purposes)
			Put-grow-and-take	Animals	Production and stocking sublegal-size animals for the purpose of maintaining populations with insufficient natural reproduction for sustainable harvest (e.g., walleye fry stocking for future sport fishing)
	Technical Assistance				
				Reviews	Review of agency and private sector policies, projects and plans (primarily related to development and adverse impacts to natural resources) to help ensure potential impacts to fish and wildlife are avoided, minimized and/or compensated/mitigated (e.g., review of municipal pier development, review of transmission corridor siting)

NOTE: The asterisk (\*) denotes required activity level data



**Wildlife TRACS Project Action Levels with Indicators 8/20/14**

Project Level	Action Level 1	Action Level 2	Action Level 3	Level 2 and Level 3 Output Measures	Description/Examples/Notes
		Environmental review	Review of proposed projects	Reviews	Review of proposed development projects to help ensure that impacts to fish and wildlife are minimized and resource benefits are maximized
			Review of proposed policies and plans	Reviews	Review of non-conservation oriented policies and plans to help ensure that impacts to fish and wildlife are minimized and resource benefits are maximized (e.g., review of harbor dredging plan, review of state highway plans)
		Technical assistance		Assists	Provision of professional training and technical assistance to others on fish and wildlife assessment and management
			With individuals and groups involved in resource management decision making	Assists	Provision of professional training and technical assistance on fish and wildlife assessment and management to individuals and groups involved in resource management decision-making (e.g., provide agency-collected data to other governmental officials, train non-governmental organizations on new trapping methods, review of conservation-oriented policies and plans)
			With private landowners	Assists	Provision of technical assistance on fish and wildlife management practices to private landowners Note: Could Include development and delivery of economic incentives to private landowners to influence responsible stewardship of land/water and specific species

NOTE: The asterix (\*) denotes required activity level data